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CONFIDENTIAL

DATE: November 20, 2003

CLIENT-MATTER No.: 23546-07665

To:

NAME	FAX NO.	PHONE NO.
Sean McGarry U.S. Patent and Trademark Office Group Art 1635	703-872-9306	

FROM: Susan T. Hubl, Ph.D. PHONE: (415) 875-2316

SENT BY: Cheryl Leger PHONE: (415) 875-2495

RE: U.S. Patent Appl. No. 10/006,191

NUMBER OF PAGES WITH COVER PAGE: 4

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MESSAGE:

In Re: U.S. Patent Application No. 10/006,191

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23546/07665/SE/5110634.1

+
PTO/SB/21 (modified)
Approved for use through 10/20/03, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office		Application Number	10/006,191
			Filing Date	December 10, 2001
			First Named Inventor	William Gaarde
			Group Art Unit Number	1635
			Examiner Name	Sean McGarry
Total Number of Pages in This Submission		34	Attorney Docket Number	23546-07665

ENCLOSURES (check all that apply)

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REMARKS:

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Signature:	Susan T. Hubl	
Attorney/Reg. No.:	Susan T. Hubl, Reg. No. 47,668	Dated: Nov. 20, 2003

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PTO/SB/81 (10-06)

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Application Number	10/006,191
Filing Date	December 10, 2001
First Named Inventor	William Gaarde, et al.
Group Art Unit	1635
Examiner Name	Sean McGarry
Attorney Docket Number	23548-07665

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application, and I hereby appoint:

Practitioner(s) named below:

Herb Boswell, Reg. No. 27,311; Laurel S. Bernstein, Reg. No. 37,280; Robert S. Andrews, Reg. No. 44,508; Neil Bartfeld Reg. No. 39,901; Matthew Grumbling, Reg. No. 44,427; Donna T. Ward, Reg. No. 48,271; Kenneth Tarbet, Reg. No. 43,181; Laura Handley, Reg. No. 39,704; Lee Overman, Reg. No. 48,541; Michael J. Shuster, Reg. No. 41,310; Susan T. Hubl, Reg. No. 47,668; Narinder Bawit, Reg. No. 43,482; Robert R. Sachs, Reg. No. 42,120 and Daniel R. Brownstone, Reg. No. 46,581.

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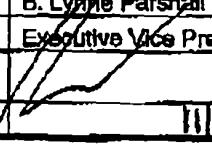
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I am the:

Applicant/Inventor.
 Assignee of record of the entire interest. See 37 CFR 3.71.
 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	B. Lynne Parshall
Title	Executive Vice President
Signature	
Date	11/14/03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 1 forms are submitted.

Atty. Dkt. No.: 23346-07665

Certificate Under 37 CFR § 3.73(b)

Applicant:

William Gaarde, et al.

Application No.:

10/006,191

Filing Date:

December 10, 2001

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Name of Assignee:

Isis Pharmaceuticals, Inc.

Type of Assignee (e.g. corporation, partnership, university, government agency, etc.):

Corporation

NOV 20 2003

OFFICIAL

The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. An assignment from the inventors of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 013694, Frame 0583, or for which a copy thereof is attached; OR

B. A chain of title from the inventors, of the patent application identified above, to the current assignee as shown below:

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3. From: _____
To: _____
The document was recorded in the Patent and Trademark Office at
Reel: _____ and Frame: _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

11/14/03

Date

Signature

B. Lynne Parshall

Name

Executive Vice President and CFO

Title

23346-07665/SF/5108690.1

Atty. Dkt. No.: 23546-07702

Certificate Under 37 CFR § 3.73(b)

Applicant:	C. Frank Bennett, et al.
Application No.:	10/346,268
Filing Date:	January 15, 2003
Name of Assignee:	Lis Pharmaceuticals, Inc.
Type of Assignee (e.g. corporation, partnership, university, government agency, etc.):	Corporation

The above-mentioned Assignee certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. An assignment from the inventors of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 013687, Frame 0434, or for which a copy thereof is attached; OR

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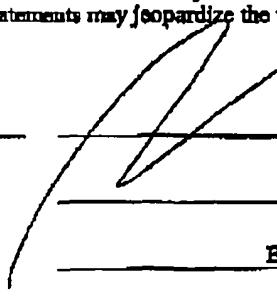
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

11/14/03

Date



Signature
B. Lynne Parshall

Name
Executive Vice President and CFO

Title
23546-07702/SF/5108612.1